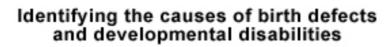


Developmental Disabilities

Promoting the health of babies, children, and adults, and enhancing the potential for full, productive living



Helping children to develop and reach their full potential

Promoting health and well-being among people of all ages with disabilities







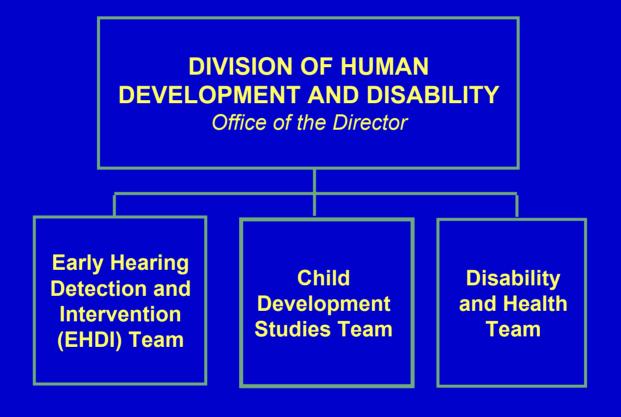
Division of Human Development and Disability

Centers for Disease Control and Prevention

National Center on Birth Defects and Developmental Disabilities



Human Development and Disability Organizational Chart





Our Work Includes

- Disability and Health
- Women with Disabilities
- Special Olympics
- Duchenne Muscular Dystrophy

- Early Hearing Detection and Intervention (EHDI)
- ADHD
- Legacy for Children



Disability and Health Our Work In a Nutshell

Promoting the health and well-being among people of all ages with disabilities



Disability and Health

Prevalence of Disability

National prevalence = 17.6 (SE=0.1%) Range = 8.6% (IL) - 25.5% (AZ) *

Age

11.0% (SE=0.2%) **- 18-44**

- 45-64 22.2% (SE=0.3%)

- 65+ 30.2% (SE=0.4%)

Sex

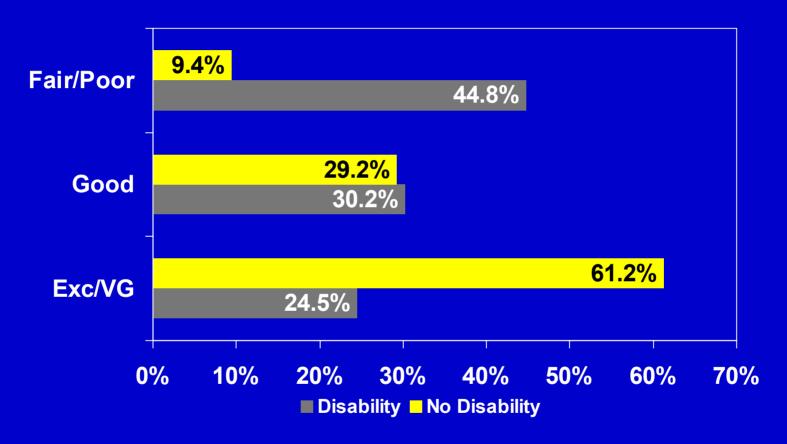
Male 16.7% (SE=0.2%)

Female 18.7% (SE=0.2%)



^{*} Age adjusted to 2000 U.S. Census

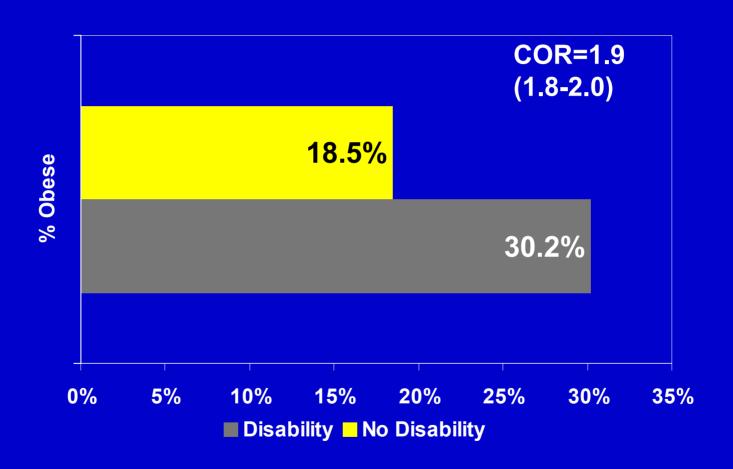
Self-reported health by disability status



Source: 2001 BRFSS, NCCDPHP, CDC - 50 states, DC & PR

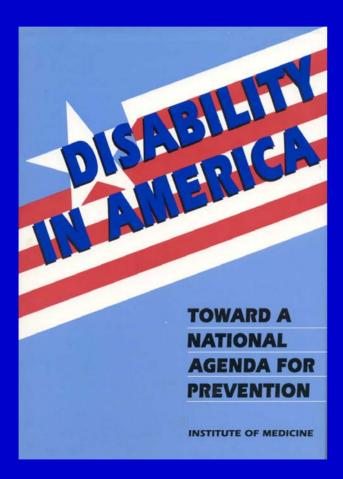


Obesity: BMI ≥30 - %





Emerging Role of CDC and Disability and Health

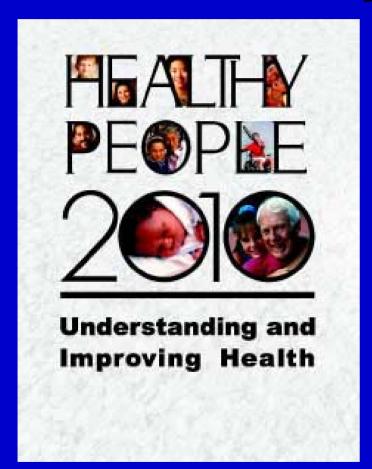


Recommended that CDC provide federal leadership:

- Epidemiology
- Surveillance
- Technology transfer
- Disease prevention
- Communication
- Public health coordination



Emerging Role of CDC and Disability and Health



Goal 1: Increase Quality and Years of Healthy Life

Goal 2: Eliminate Health Disparities



Women with Disabilities Barriers to Screening

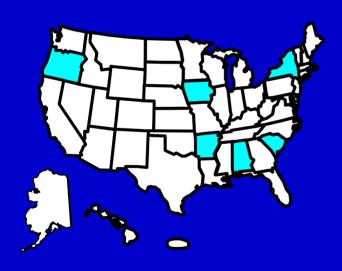
- Individual perception of risk
- Pre-occupied with other health issues
- Don't know where to go

- Difficulty with positioning
- Inaccessible facilities and equipment
- Provider attitudes



Eliminating Disparity in Screening

Collaboration with Breast and Cervical Cancer Early Detection Program in NCCDPHP





Support to state D&H programs to acquire adaptive screening tables



Barriers to Screening

- Difficulty with positioning
- Inaccessible facilities and equipment

Provider attitudes



Special Olympics Healthy Athletes Program

What is it?

- Direct health services delivery and screening to **Special Olympics athletes**
- Referral for follow-up care
- Documentation of the health status and needs of Special Olympics athletes
- Recruitment and training of health personnel in treating people with mental retardation



Special Olympics Healthy Athletes Program

- Advocacy for improved public policies in support of the health needs of people with mental retardation
- Advancing knowledge about the delivery of health care to persons with mental retardation



National Information and Resource Centers

- National Limb Loss Information Center at the Amputee Coalition of America
- National Center on Physical Activity and Disability at the University of Illinois at Chicago
- Christopher and Dana Reeve Paralysis Resource Center, Springfield, NJ



State Implementation Projects

- Develop capacity to promote the health of people with disabilities
- Assure access to services and programs
- Establish university and advocacy partners
- Conduct surveillance on prevalence
- Develop formal planning and HP2010 goals
- Conduct health promotion interventions



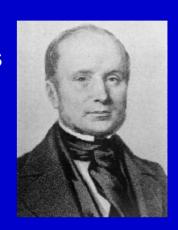
Disability and Health Research Projects (12 current university-based grantees)

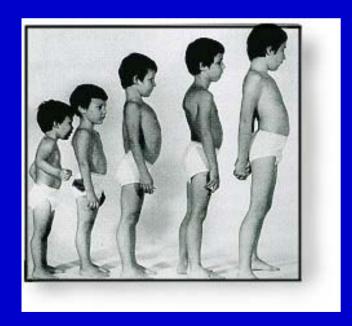
- Assess the cost and cost effectiveness of preventive interventions
- Determine the patterns and onset of selected secondary conditions
- Develop instruments and checklists to measure the environment and its impact on people with disabilities
- Research the demographics of disability prevalence in selected populations of people with disabilities



Duchenne Muscular Dystrophy

Described by Duchenne in 1860s
X-linked
1/3500 males



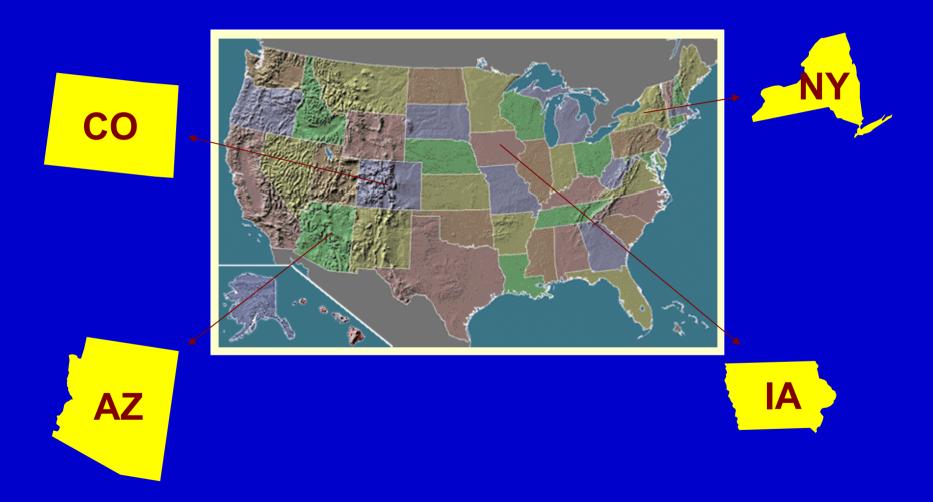


Progressive weakness of muscles:

- 50% walk by 18 months
- Wheelchair use by age 8-10
- Cardiac and/or respiratory failure by late teens/early 20s



DMD Surveillance and Tracking





Proposed Research Goals

- Determine the incidence and prevalence of DMD
- Describe early natural history and diagnostic history
- Assess impact of type of care on outcome
- Assess effect of different mutations
- Assess potential modifying factors
- Additional research questions



The Early Hearing Detection and Intervention Program (EHDI)

- 12,000 infants born each year with hearing loss (3/1000)
- Age appropriate Communication and social skills
- Before UNHS, average age of identification between
 2 ½ and 3 years old.



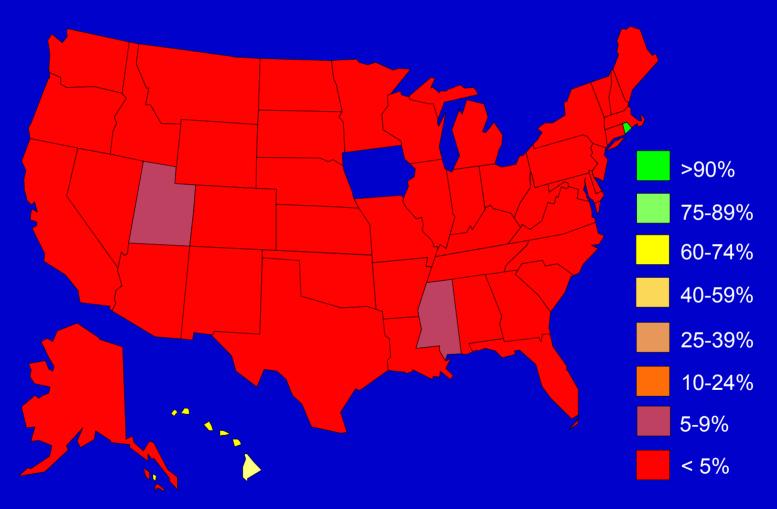
...Promoting communication from birth



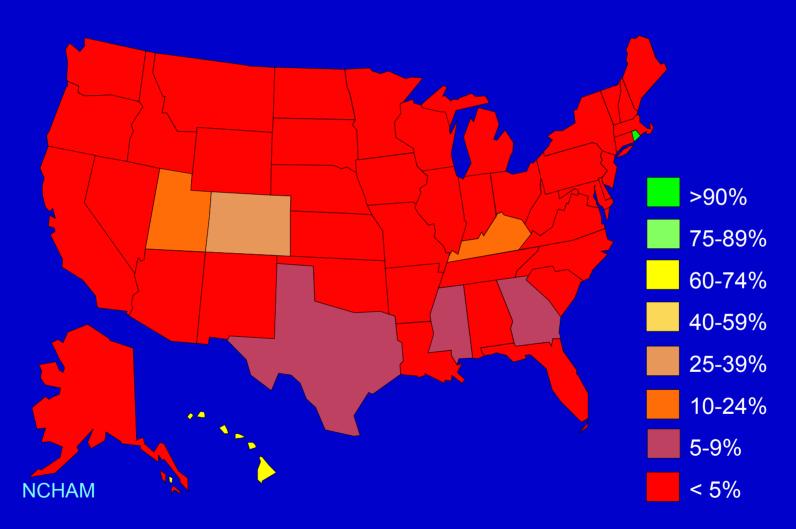
EHDI: What is it?

- 1. Screening all babies for hearing loss before one month of age: preferably before hospital discharge
- 2. Conducting diagnostic audiologic evaluations before three months of age for all infants who do not pass the hearing screening.
- 3. Enrolling infants and children with identified hearing loss in appropriate *intervention*services before six months of age

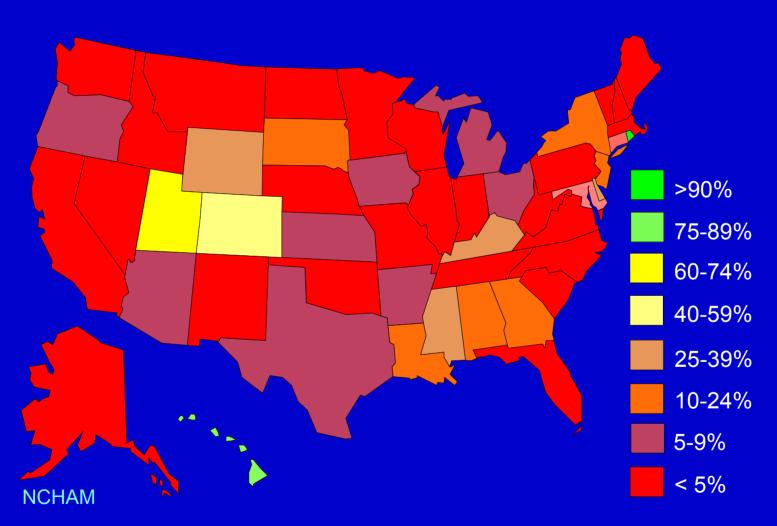




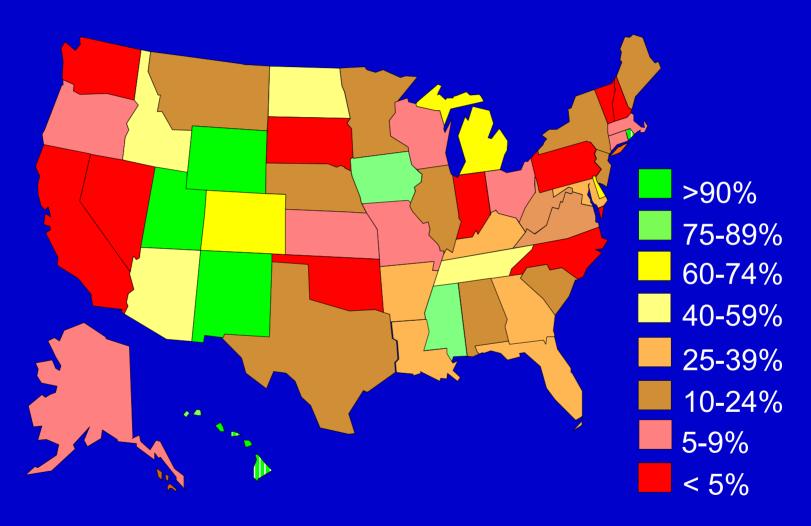




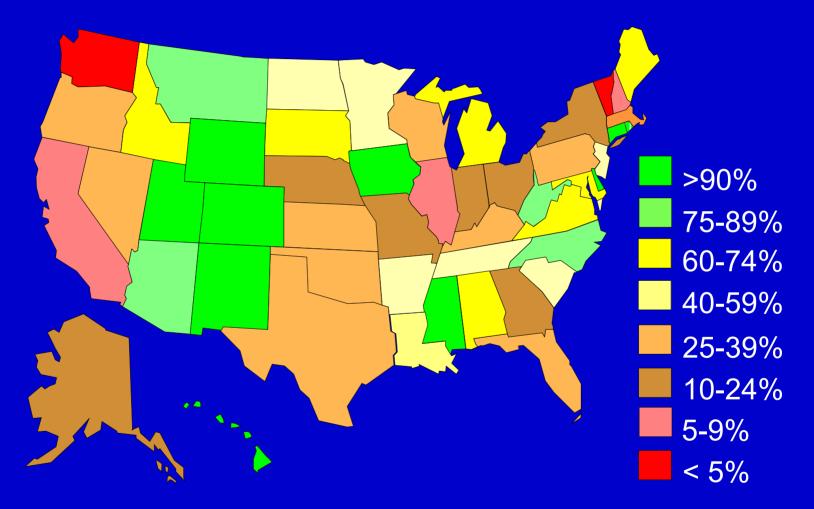




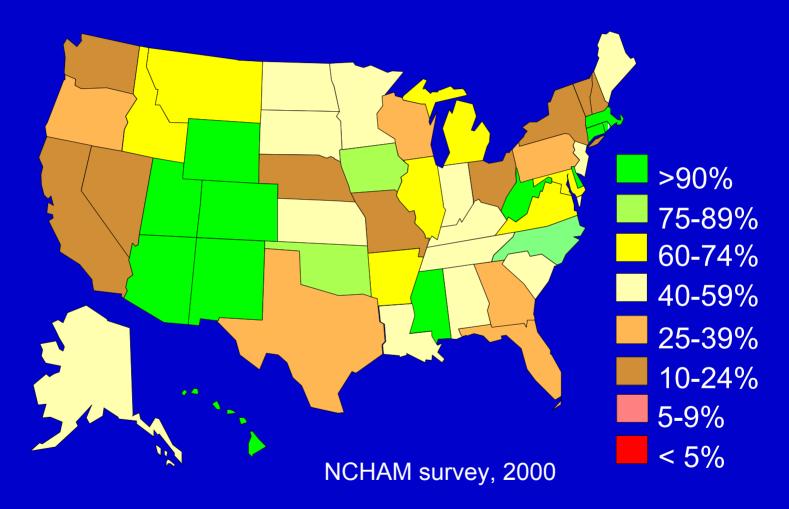




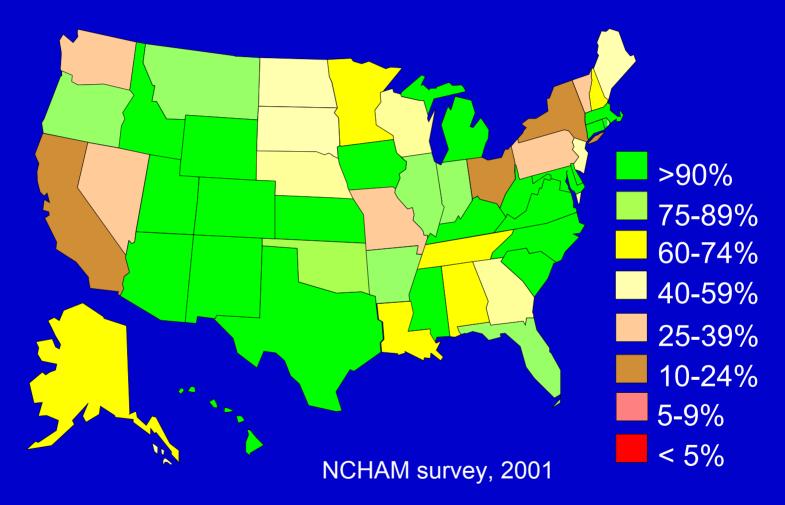














Attention Deficit Hyperactivity Disorder What is ADHD?

 Most common neurobehavioral disorder of childhood

ADHD can persist through adolescence and into adulthood

Causes are currently unknown



ADHD: Funded Research

 Three cooperative agreements to conduct population-based research on school-aged children

The result of this collaboration will be one of the largest community-based, epidemiologic studies of ADHD in the United States



ADHD: Funded Program

- Children and Adults with Attention-Deficit/Hyperactivity Disorder (CHADD) established the National Resource Center on Attention-Deficit/Hyperactivity Disorder
- CHADD organizes local chapters to provide information and support for people affected by ADHD



Child Development

- Legacy for Children Program A set of child development research projects sponsored by CDC
- Study includes low-income mothers
- Teaches the power of parenting for positive child development







More information is available at www.cdc.gov/ncbddd

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